

Table 5-1
Target Analytes

Target Analyte	Total Recoverable (Y/N)	Dissolved (Y/N)	Laboratory Analytical Method	Colorado Water Quality Standard ¹ (µg/L)	
Laboratory Parameters				Dissolved	Total Recoverable
Metals					
Aluminum	Y	Y	200.8	--	750 ^{ac/ch}
Arsenic	Y	Y	200.8	340 ^{ac}	100 ^{ch}
Barium	Y	Y	200.8	--	--
Cadmium	Y	Y	200.8	See Table 5-2	--
Calcium	Y	Y	200.7	--	--
Chromium	Y	Y	200.8	Cr ^{III} TVS ² = 183 ^{ac} / 24 ^{ch}	Cr ^{III} = 100 ^{ch}
Cobalt	Y	Y	200.8	--	--
Copper	Y	Y	200.8	TVS ² = 3.6 ^{ac} / 2.7	--
Iron	Y	Y	200.7	--	1000 ^{ch}
Lead	Y	Y	200.8	TVS ² = 14 ^{ac} / 0.5 ^{ch}	--
Lithium	Y	Y	200.7	--	--
Magnesium	Y	Y	200.7	--	--
Manganese	Y	Y	200.8	See Table 5-2	--
Molybdenum	Y	Y	200.8	--	160 ^{ch}
Nickel	Y	Y	200.8	TVS ² = 145 ^{ac} / 16 ^{ch}	--
Potassium	Y	Y	200.7	--	--
Silica	Y	Y	200.7	--	--
Silver	Y	Y	200.8	TVS ² = 0.19 ^{ac} / 0.01 ^{ch trout} / 0.03 ^{ch}	--
Sodium	Y	Y	200.7	--	--
Strontium	Y	Y	200.7	--	--
Vanadium	Y	Y	200.8	--	--
Zinc	Y	Y	200.8	See Table 5-2	--
Anions					
Bromide	N	Y	300.0	--	--
Chloride	N	Y	300.0	--	--
Sulfate	N	Y	300.0	--	--
Fluoride	N	Y	300.0	--	--
Misc.					
Hardness					--
Alkalinity	Y	--	SM 2320B	--	--
TSS	Y	--	SM2540D	--	--
TDS	Y	--	SM2540C	--	--
Field Parameters					
Temperature	--	--	--	--	--
Turbidity	--	--	--	--	--
pH	--	--	--	6.5 - 9	--
Specific Conductance	--	--	--	--	--
DO	--	--	--	6,000	--
ORP	--	--	--	--	--

Notes:

1. Colorado Department of Public Health and Environment (CDPHE) 2014. Standards are stated as dissolved phase (e.g., filtered with a 0.45 micron filter). If there is more than one standard then the lowest standard was used.
2. TVS = table value standard. Calculated using a mean hardness of 25 mg/L calcium carbonate CDPHE (2013)
3. -- = not applicable
4. Y = Yes
5. N = No
6. DO = dissolved oxygen
7. ORP = oxidation reduction potential
8. TSS = Total suspended sediments
9. TDS = Total dissolved solids
10. ac = acute
11. ch = chronic